WHAT IS CLAIMED IS

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1. An electronic equipment having parts which may be subjected to maintenance and are specified by a maintenance range, comprising:

a setting part which is set with a predetermined

10 maintenance range in which the maintenance is permitted;

an authenticating part to authenticate validity of a maintenance-attending person for the electronic equipment; and

a changing part to temporarily change the

15 predetermined maintenance range set in said setting part,
in response to a change instruction, when said
authenticating part authenticates the validity of the
maintenance-attending person.

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The electronic equipment as claimed in claim 1, wherein said setting part is preset wit a
 maintenance range for each maintenance person.

3. The electronic equipment as claimed in claim 1, wherein said authenticating part authenticates the validity of the maintenance-attending person using an authenticating medium which stores authentication information of the maintenance-attending person.

4. The electronic equipment as claimed in claim 1, wherein said changing part adds a maintenance range specified by the change instruction only for a period of time specified by the change instruction, with respect to the predetermined maintenance range.

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5. The electronic equipment as claimed in
20 claim 1, wherein said setting part is also set with a
predetermined management range in which management is
permitted, and said changing part also temporarily
changes the predetermined management range set in said
setting part, in response to the change instruction,
25 when said authenticating part authenticates the validity

of the maintenance-attending person.

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6. The electronic equipment as claimed in claim 1, further comprising:

an input part to permit input of the change instruction by an operator whose validity is authenticated.

7. An equipment managing apparatus for controlling an electronic equipment which includes a setting part which is set with a predetermined maintenance range in which maintenance is permitted, a first authenticating part to authenticate validity of a maintenance-attending person for the electronic equipment, and a changing part to temporarily change the predetermined maintenance range set in the setting part in response to a change instruction when the first authenticating part authenticates the validity of the maintenance-attending person, said equipment managing

apparatus comprising:

a second authenticating part to authenticate validity of an operator of the equipment managing apparatus;

an input part to permit input of the change instruction when the second authenticating part authenticates the validity of the operator; and

a part to supply the change instruction input from said input part to the electronic equipment.

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8. The equipment managing apparatus as

15 claimed in claim 7, wherein said second authenticating
part authenticates the validity of the operator using an
authenticating medium which stores authentication
information of the operator.

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 An equipment maintenance system for controlling a maintenance range in which maintenance of
 an equipment may be performed, comprising: a setting part to set in advance a maintenance range in which the maintenance of the equipment is permitted;

a first authenticating part to authenticate validity of a maintenance-attending person for the equipment; and

a changing part to temporarily change the set maintenance range to a predetermined maintenance range based on an authentication result of said first authenticating part, so that the maintenance of the equipment is temporarily permitted within the predetermined maintenance range.

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10. The equipment maintenance system as claimed in claim 9, wherein said setting part is provided within a maintenance service provider which 20 provides maintenance services for the equipment or, within a setup site of the equipment.

11. The equipment maintenance system as claimed in claim 9, wherein said changing part is provided within a maintenance service provider which provides maintenance services for the equipment or, within a setup site of the equipment.

12. The equipment maintenance system as claimed in claim 11, wherein said changing part is provided in an apparatus within the maintenance service provider, and said apparatus is communicatable with the equipment via a network.

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13. The equipment maintenance system as

20 claimed in claim 11, wherein said changing part is

provided in an apparatus within the maintenance service

provider or, provided within the equipment, and said

apparatus is communicatable with the equipment via a

network.

14. The equipment maintenance system as claimed in claim 9, further comprising:

a second authenticating part to authenticate validity of an operator of said changing part.

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15. The equipment maintenance system as

10 claimed in claim 14, wherein said second authenticating
part authenticates the validity of the operator using an
authenticating medium which stores authentication
information of the operator.

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16. The equipment maintenance system as claimed in claim 9, wherein said first authenticating part authenticates the validity of the maintenance—attending person using an authenticating medium which stores authentication information of a maintenance person.

17. The equipment maintenance system as claimed in claim 9, wherein said setting part sets in advance a maintenance range for each maintenance person.

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18. The equipment maintenance system as claimed in claim 9, further comprising:

a maintenance part to perform maintenance of the equipment within the predetermined maintenance range.

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19. The equipment maintenance system as claimed in claim 18, wherein said maintenance part is provided in an apparatus within a maintenance service provider which provides maintenance services for the equipment, and said apparatus is communicatable with the equipment via a network to perform remote maintenance of the equipment.

20. The equipment maintenance system as claimed in claim 18, wherein said maintenance part is provided within an apparatus in a setup site of the equipment or, within the equipment, and said apparatus is communicatable with the equipment via a network.

21. The equipment maintenance system as claimed in claim 9, wherein the equipment is selected from a group consisting of information processing apparatus, office automation (OA) equipment, point-of sales (POS) terminal equipment, medical equipment, vending machine, electrical home appliance, and portable terminal equipment.

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- 22. An equipment maintenance method for controlling a maintenance range in which maintenance of an equipment may be performed, comprising the steps of:
- (a) setting in advance a maintenance range in 25 which the maintenance of the equipment is permitted;

- (b) authenticating validity of a maintenanceattending person for the equipment; and
- (c) temporarily changing the set maintenance range to a predetermined maintenance range based on an authentication result of said step (b), so that the maintenance of the equipment is temporarily permitted within the predetermined maintenance range.

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23. The equipment maintenance method as claimed in claim 22, wherein said step (a) is performed within a maintenance service provider which provides maintenance services for the equipment or, within a setup site of the equipment.

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24. The equipment managing method as claimed in claim 22, wherein said step (c) is carried out within a maintenance service provider which provides maintenance services for the equipment or, within a setup site of the equipment.

25. The equipment managing method as claimed in claim 24, wherein said step (c) is carried out in an apparatus within the maintenance service provider, and said apparatus is communicatable with the equipment via a network.

26. The equipment maintenance method as claimed in claim 24, wherein said step (c) is carried out in an apparatus within the maintenance service provider or, provided within the equipment, and said apparatus is communicatable with the equipment via a network.

- 27. The equipment maintenance method as claimed in claim 22, further comprising the steps of:
 - (d) authenticating validity of an operator of said changing part.

28. The equipment maintenance method as claimed in claim 27, wherein said step (d) authenticates the validity of the operator using an authenticating medium which stores authentication information of the operator.

29. The equipment maintenance method as claimed in claim 22, wherein said step (b) authenticates the validity of the maintenance-attending person using an authenticating medium which stores authentication

information of a maintenance person.

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30. The equipment maintenance method as
20 claimed in claim 22, wherein said step (a) sets in
advance a maintenance range for each maintenance person.

- 31. The equipment maintenance method as claimed in claim 22, further comprising the steps of:
- (e) carrying out maintenance of the equipment within the predetermined maintenance range.

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32. The equipment maintenance method as

10 claimed in claim 31, wherein said step (e) is carried

out in an apparatus within a maintenance service

provider which provides maintenance services for the

equipment, and said apparatus is communicatable with the

equipment via a network to perform remote maintenance of

15 the equipment.

20 33. The equipment maintenance method as claimed in claim 31, wherein said step (e) is carried out within an apparatus in a setup site of the equipment or, within the equipment, and said apparatus is

communicatable with the equipment via a network.

34. The equipment maintenance method as claimed in claim 22, wherein the equipment is selected from a group consisting of information processing apparatus, office automation (OA) equipment, point-of sales (POS) terminal equipment, medical equipment, vending machine, electrical home appliance, and portable terminal equipment.

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- 35. An electronic equipment having parts which may be subjected to maintenance and are specified by a maintenance range, comprising:
- setting means set with a predetermined maintenance range in which the maintenance is permitted;

authenticating means for authenticating validity of a maintenance-attending person for the electronic equipment; and

changing means for temporarily changing the predetermined maintenance range set in said setting means, in response to a change instruction, when said authenticating means authenticates the validity of the maintenance-attending person.

36. An equipment managing apparatus for controlling an electronic equipment which includes setting means set with a predetermined maintenance range in which maintenance is permitted, first authenticating means for authenticating validity of a maintenance—attending person for the electronic equipment, and changing means for temporarily changing the predetermined maintenance range set in the setting part in response to a change instruction when the first authenticating means authenticates the validity of the maintenance—attending person, said equipment managing apparatus comprising:

second authenticating means for authenticating validity of an operator of the equipment managing apparatus;

input means for permitting input of the change instruction when the second authenticating means authenticates the validity of the operator; and

means for supplying the change instruction input
20 from said input means to the electronic equipment.

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controlling a maintenance range in which maintenance of an equipment may be performed, comprising:

setting means for setting in advance a maintenance range in which the maintenance of the equipment is permitted;

authenticating means for authenticating validity of a maintenance-attending person for the equipment; and

changing means for temporarily changing the set maintenance range to a predetermined maintenance range based on an authentication result of said authenticating means, so that the maintenance of the equipment is temporarily permitted within the predetermined maintenance range.

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38. A computer-readable storage medium which stores a program for causing a computer to set a

20 maintenance range which specifies parts of an electronic equipment which may be subjected to maintenance, said program comprising:

a setting procedure causing the computer to be set with a predetermined maintenance range in which the maintenance is permitted;

an authenticating procedure causing the computer to authenticate validity of a maintenance-attending person for the electronic equipment; and

a changing procedure causing the computer to

5 temporarily change the predetermined maintenance range
set in said setting procedure, in response to a change
instruction, when said authenticating procedure
authenticates the validity of the maintenance-attending
person.

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39. A computer-readable storage medium which

stores a program for causing a computer to manage an
electronic equipment which includes a setting part set
with a predetermined maintenance range in which
maintenance is permitted, an authenticating part to
authenticate validity of a maintenance-attending person

for the electronic equipment, and a changing part to
temporarily change the predetermined maintenance range
set in the setting part in response to a change
instruction when the authenticating part authenticates
the validity of the maintenance-attending person, said

program comprising:

an authenticating procedure causing the computer to authenticate validity of an operator of the computer;

an input procedure causing the computer to permit input of the change instruction when the authenticating procedure authenticates the validity of the operator; and

a procedure causing the computer to supply the change instruction input by said input procedure to the electronic equipment.

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40. A computer-readable storage medium which

15 stores a program for causing a computer to control a

maintenance range in which maintenance of an equipment

may be performed, said program comprising:

a setting procedure causing the computer to set in advance a maintenance range in which the maintenance of the equipment is permitted;

an authenticating procedure causing the computer to authenticate validity of a maintenance-attending person for the equipment; and

a changing procedure causing the computer to temporarily change the set maintenance range to a

predetermined maintenance range based on an authentication result of said authenticating procedure, so that the maintenance of the equipment is temporarily permitted within the predetermined maintenance range.